	1CY111TH1	3
Human Chimpanye Green Monkey Hamster Rat	MCVEGCTKCIKYLLFVFNFVFMLAGGVILGVALMLRHDPQTTNLLYLELGDRPAPNTFYVGIYILLAVGAVNMFVGFLGCTGALQESQCLLGTPPTCLVI	
Hunion Chimponse Green Monkey Hamster Boo	TH3	1/17
Mouse	1 EX3 EX3	
Human Chimpanzee Green Monkey Hamsser	KLYLIGIAA IVVAVIHIPEHILSHVI.CCGIRNSSVY	

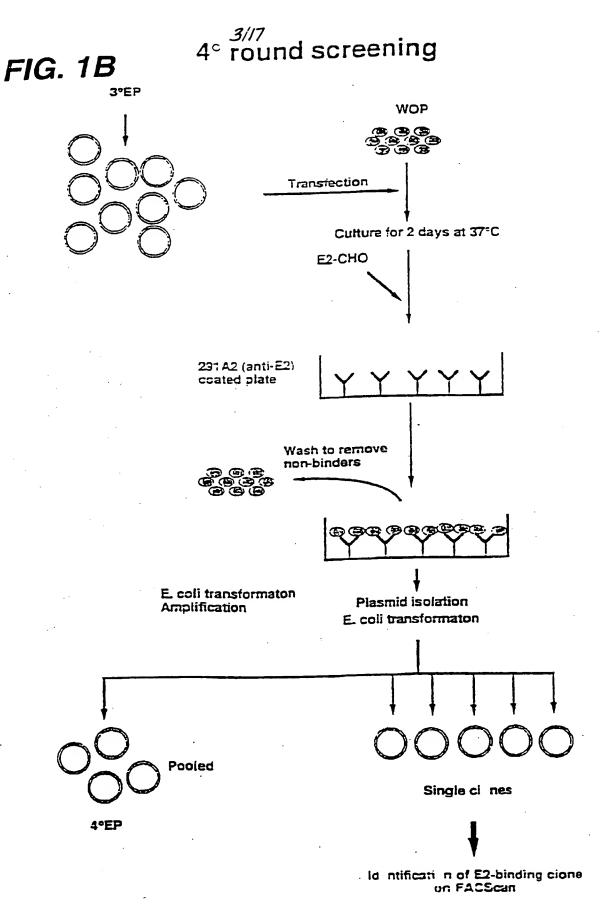


FIG. 1A

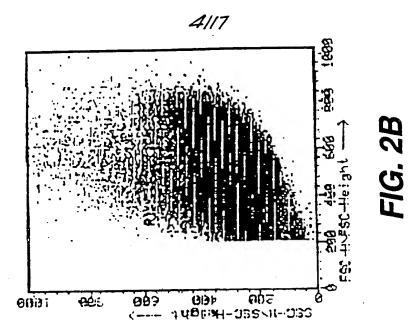
1°, 2°, 3° round screening

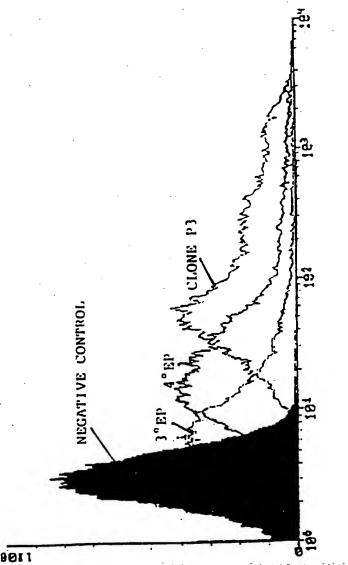
A2A5 Library WOP Transfection Culture for 2 days at 37°C E2-CHO 291A2 (anti-E2) Dynabeads coupled with goat anti-mouse lg Separation with Magnetic Particle Concentrator 3° round 1°, 2° round Single cell isolation on a Terasaki plate Plasmid isolation E coli transformaton Amplificati n



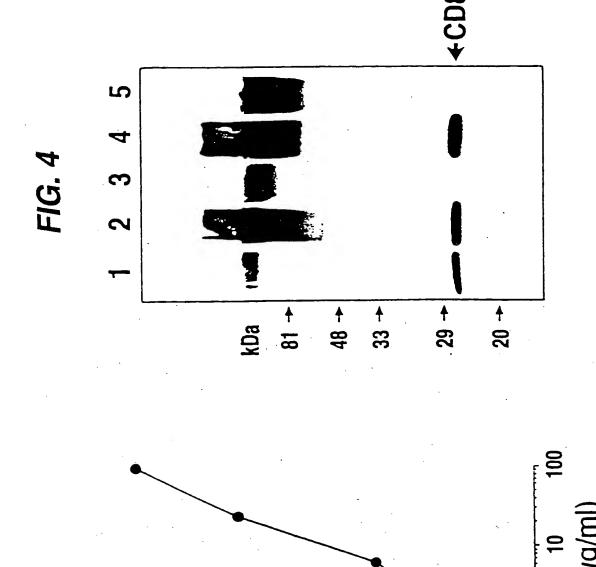








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% Inhibition of anti-CD81 binding

9

8

40

20



.GAGITCCTCGACGCTAACCTGGCCCGGCTCTGGATCCGGTGATGACGATGACAAGGTA ---Glu Phe Leu Asp Ala Asn Leu Ala Gly Ser Gly Ser Gly Asp Asp Asp Lys Val Enterokinase recognition Thioredoxin ←

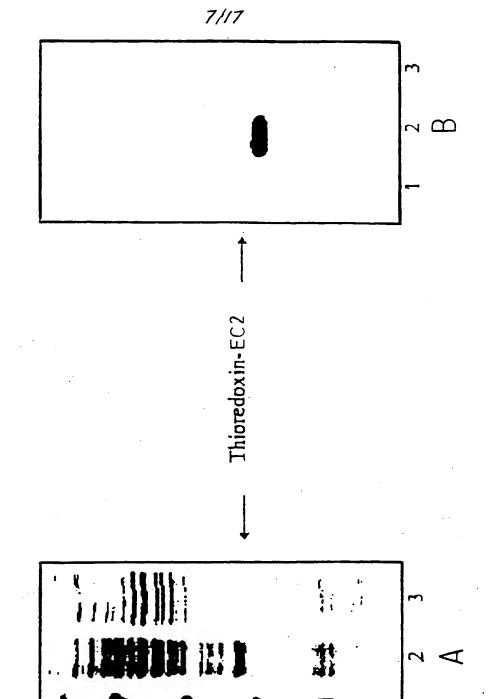
sednence

Enterokinase cleavage site

<u>COTGCCATGCTGAGCTCGAGCTTTGTCAACAAGGACCAGATCGCCAAGGATGTGAAGCAG</u> Pro Gly Met Leu Ser Ser Phe Val Asn Lys Asp Gln Ile Ala Lys Asp Val Lys Gln T→EC2 XhoI

Phe Tyr Asp Gln Ala Leu Gln Gln Ala Val Val Asp Asp Asp Ala Asn Asn Ala Lys Ala **ITCTATGACCAGGCCCTACAGCAGGCCGTGGTGGATGATGACGCCAACACGCCAAGGCT**

Val Val Lys Thr Phe His Glu Thr Leu Asp Cys Cys Gly Ser Ser Thr Leu Thr Ala Leu **ACCACCTCAGTGCTCAAGAACAATTTGTGTCCCTCGGGCAGCAACATCATCAGCAACCTC** Thr Thr Ser Val Leu Lys Asn Asn Leu Cys Pro Ser Gly Ser Asn Ile Ile Ser Asn Leu **TICAAGGAGGACTGCCACCAGAAGATCGATGACCTCTTCTCCGGGAAGCTGTGAAAGCTT** Phe Lys Glu Asp Cys His Glu Lys Ile Asp Asp Leu Phe Ser Gly Lys Leu End

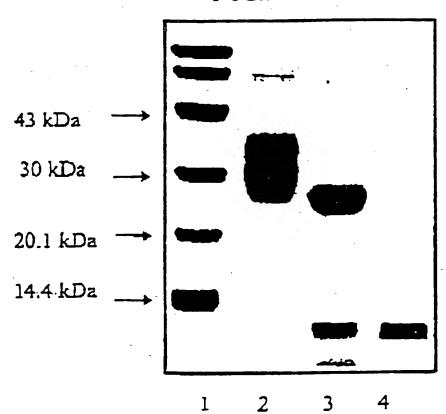


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43.0 kD 30.0 kD 20.1 kD 1 2 3 4 5

-Thioredoxin-EC2

FIG. 10





Thrombla cleavage

CTGGTTCCGCGTCGCCCGGGAA1TTCC GGTGGTGGTGGTGGAA1TTCTA Eco RI

Thrombin recognition sequence

→EC2

ITTGTCAACAAGGACCAGATCGCCAAGGATGTGAAGCAG TTCTATGACCAGGCCCTACAG Phe Val Asn Lys Asp Gin Ile Ala Lys Asp Val Lys Gin Phe Tyr Asp Gin Ala Leu Gin CAGGCCGTGGATGATGACGCCAACAACGCCCAAGAGCTCTGTGAAGACCTTCCACGAG Gin Ala Val Val Asp Asp Asp Ala Asn Asn Ala Lys Ala Val Val Lys Thr Phe His Glu

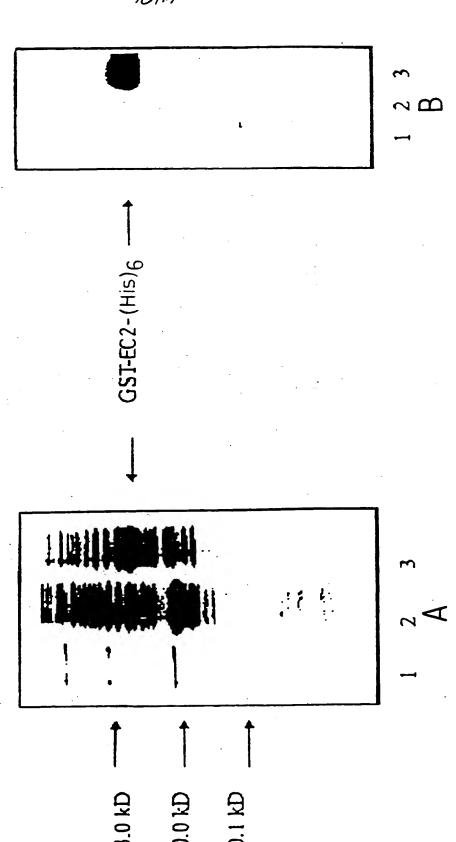
ACGCTTGACTGCTGTGGCTCCAGCACTGACTGCTTTGACCACCTCAGTGCTCAAGAAC Thr Leu Asp Cys Cys Gly Ser Ser Thr Leu Thr Ala Leu Thr Thr Ser Val Leu Lys Asn **AATTIGIGICCCICGGGCAGCAACATCATCAGCAACCTCTTCAAGGAGGACTGCCACCAG** Asn Leu Cys Pro Ser Gly Ser Asn Ile Ile Ser Asn Leu Phe Lys Glu Asp Cys His Gln

AAGATCGATGACCTCTTCTCCGGGAAGCTGCATCATCAT CATCATCATTGAAAGCTT Lys lle Asp Asp Leu Phe Ser Gly Lys Leu His His His His His His End Hexabistidine tag

...............Leu Val Pro Arg Gly Ser Pro Gly Ile Ser Gly Gly Gly Gly Gly Ile Leu

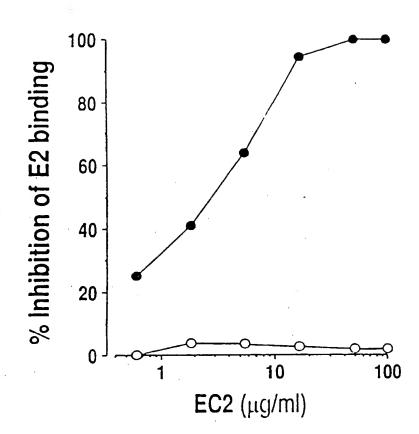






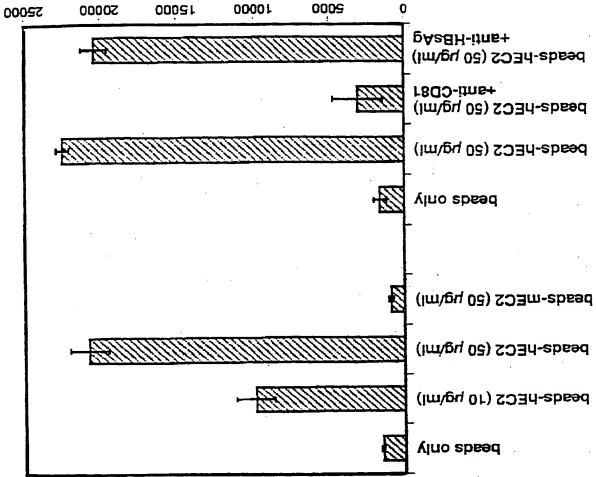
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FIG. 11



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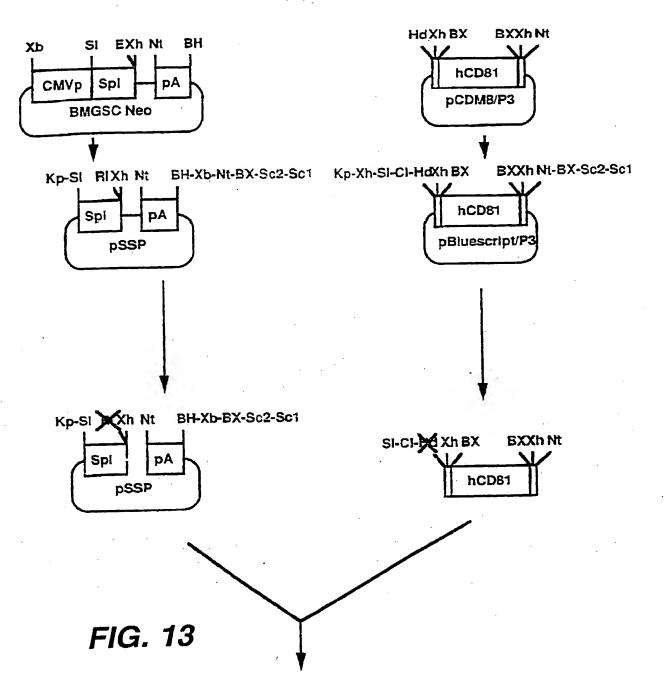
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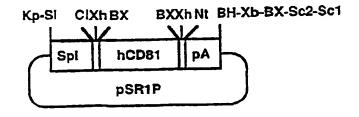


HCV RNA molecules bound to beads











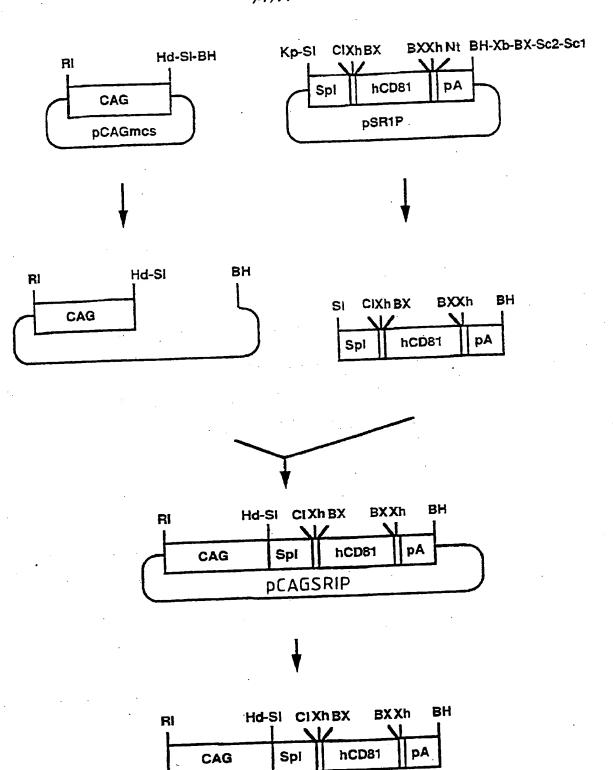
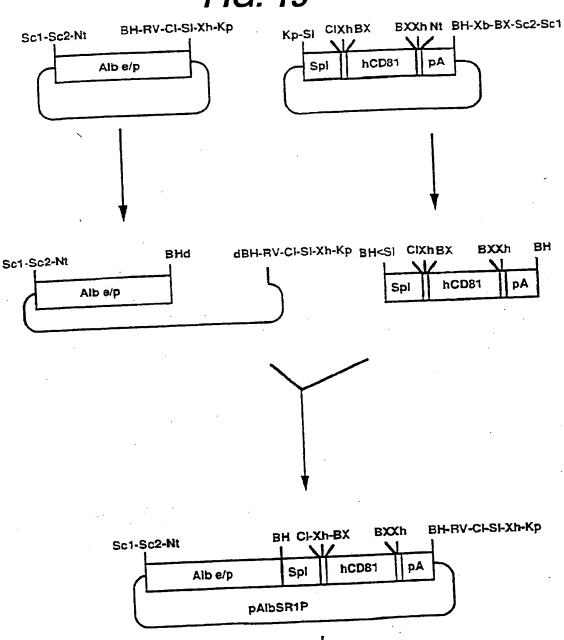


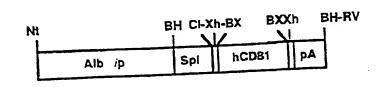
FIG. 14



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FIG. 15









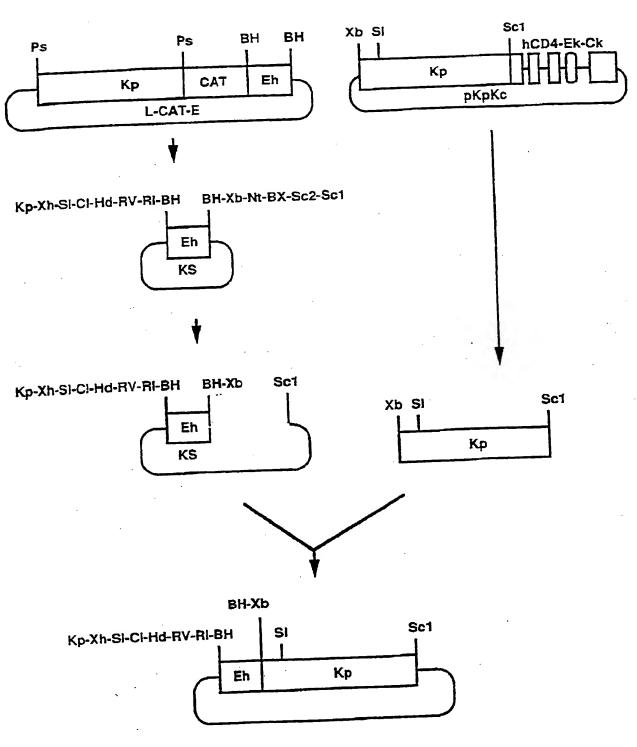


FIG. 16





FIG. 17

